

and measured both remotely, using a specially designed high-resolution sodar, and in situ by a sonic anemometer.



## Thermal turbulence in the very stable boundary layer: sodar observations at Dome C, Antarctica

I. Petenko<sup>1,2</sup>, S. Argentini<sup>1</sup>, I. Pietroni<sup>1</sup>, A. Viola<sup>1</sup>, G. Mastrantonio<sup>1</sup>, G. Casasanta<sup>1</sup>, A. Conidi<sup>1</sup> <sup>(1)</sup> Institute of Atmospheric Sciences and Climate (ISAC), CNR, via del Fosso del Cavaliere, 100, 00133 Roma (Italy) <sup>(2)</sup> A.M.Obukhov Institute of Atmospheric Physics RAS, Pyzhevskiy, 3, Moscow, 109117, Russia